

GRANICRETE INTERNATIONAL, INC.

Material Safety Data Sheet

1. Chemical Product and Company Identification

Granicrete International, Inc.
3420 S. 7th Street, Suite 6
Phoenix, Arizona 85040
Telephone Number: (602) 438-9464
24-Hour Emergency Telephone Number: PERS: 1-800-633-8253

Product Name: Powdered Color Accent
Synonyms: MP Sanded Grout

Prepared By: Granicrete Loss Control
Preparation Date: June 01, 2001
Review Dates: April 05, 2002

2. Composition, Information on Ingredients

Ingredients / Components	CAS#	OSHA PEL	ACGIH TLV OTHER
White Portland Cement	65997-15-1	50 MPPCF; Z-3	10 MG/M3 TDUST; 9495
Silica Sand	01-4808-60-7	10mg/m3 RDUST 0.3mg/m3 TDUST	.1 MG/M3 RDUST
Pigments * Nuisance Dust	N/A	5mg/m3 RDUST 15mg/m3 TDUST	.10 MG/M3 TWA

3. Physical / Chemical Characteristics

Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Solubility in Water: .1%
Appearance & Odor: Gray, White or colored Powder; low odor, slightly sweet.

Specific Gravity: 2.5
Melting Point: ND
Evaporation Rate: N/A

4. Fire and Explosion Hazard Data

Flash Point: N/A
Extinguishing Media: N/A
Special Firefighting Procedures: N/A
Unusual Fire and Explosion Hazards: N/A

Flammable Limits: N/A

5. Reactivity Data

Stability: Stable
Incompatibility (Materials to Avoid): Mineral Acids
Hazardous Decomposition Products: CO, CO₂, Silicon tetra fluoride (with hydrofluoric acid)
Hazardous Polymerization: Will not occur.
Conditions to Avoid Polymerization: Not relevant

* Pigments with one or more of the following:
Yellow Iron Oxide (CAS-57124-00-1) Chromium Oxide (CAS-1308-38-9)

Ultra Marine Blue (CAS-57455-37-5) Red Iron Oxide (CAS-1309-37-1)
Titanium Dioxide (CAS-13463-67-7) Carbon Black (CAS-1333-56-4)
Metal Oxide Silicate (CAS-12713-03-0) Black Iron Oxide (CAS-1317-61-9)

6. Health Hazard Data

Primary Route of Entry: **Inhalation:** Yes **Skin:** Yes **Ingestion:** No

Carcinogenicity: **NTP?** No **IARC?** Yes **OSHA?** No

Effects of Exposure: **Acute:** White Portland Cement can dry the skin & cause alkali burns. Dust can irritate the eyes and upper respiratory system. **Chronic:** Dust can cause inflammation of interior of nose & eyes. Prolonged exposure to dust over the TLV may cause scarring of lungs & delayed lung injury (silicosis).

Explanation of Carcinogenicity: This product itself is not regulated but it contains small amounts of naturally occurring crystalline silica. IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemical to humans (volume 42, 1987) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and that there is limited evidence of the carcinogenicity of crystalline silica to humans. IARC Class 2A..

Signs & Symptoms of Exposure: Shortness of breath, coughing, reddening of eyes.

Medical Conditions Aggravated by Exposure: Hypersensitive individuals may develop allergenic dermatitis.

First Aid Procedures: **Eyes:** Irrigate eyes with water. **Ingestion:** If ingested mortar may set & cause bowel obstruction –consult physician. **Inhalation:** Remove to fresh air. **Skin:** Wash exposed areas with water.

7. Precautions for Safe Handling and Use

Neutralizing Agent: None specified by manufacturer.

Steps to be taken in Case Material is Released or Spilled: Collect spills using dustless method, material can be returned to container for later use, wear OSHA approved respirator for silica dust when cleaning area.

Waste Disposal Method: Mortar can be disposed of as common waste, unrestricted sanitary landfill.

Precautions to be taken in Handling and Storage: Eliminate exposure to dust, use OSHA approved mask for silica dust, if freshly mixed mortar gets into eyes or contacts skin – flush immediately and repeatedly with water & contact physician immediately.

8. Control Measures

Respiratory Protection: OSHA approved respirator for silica dust.

Ventilation:

Local Exhaust: Yes

Mechanical: Yes

Special: N/A

Other: N/A

Protective Gloves: Rubber recommended.

Eye Protection: Tight fitting goggles in busy area.

Other Protective Equipment: Barrier cream, boots & clothing should protect skin from dust and wet mortar.

Work / Hygienic Practices: Workers should shower with soap & water after working with mortar.

NOTE: The above information is based on current formulation and information available at this time. Since conditions of use are outside our control we make no warranties, expressed or implied, and assume no responsibility or liability in connection with any use of this information.